

Weekly Report 12/08/2013

Summary

No VASA project this week. For the data cleaning project, I've figured out dynamic modeling techniques, and integrated Pandas as data manipulation package as well.

The soundscape project will start next Friday. We'll discuss over visualization proposals.

The VASA project

No VASA work.

The data cleaning project

With Django web framework, the system is now able to convert data into DataFrame (the main structure in **Pandas** for data), and dynamically create table and attribute field with **Mutant**. Due to lack of Mutant usage document (actually no document at all), it took so much time to start...

Next step goes two directions separately:

1. Browser side: multi-tab views in three categories: one **data table** generated based on DataFrame, one **visualization** view generated by user, one **workflow** view recording all wrangling steps. User can interactively alter data tables, or generate visualization based on existing data.
2. Server side: update data schema or data content in the **database** based on user interaction. I'll first implement an empty architecture with no data wrangling function implemented.

Future Work

1. Soundscape visualization proposal.
2. More papers reading
3. More data cleaning project, still working on the overall B-S architecture.